

# State Injury Profile for Arkansas

## *About the State Injury Profiles...*

Following this introduction you will find the injury profile for your state and the nation. The maps and tables contain information on injury deaths and death rates; however, it is important to remember that hundreds of thousands of Americans are nonfatally injured each year, many of whom suffer permanent disabilities. Your state injury profile includes:

- The 10 leading causes of death by age group for your state and the nation. These charts contain the total number of deaths for the three-year period 1995 through 1997. The summary table at the bottom of each page shows the total number of injuries across all ages for the same three-year period and the average number of deaths per year.
- The tables on the next page show the number of deaths for your state and the nation for the leading causes of injury death (separated by the type of injury—unintentional, suicide, and homicide) for the same three-year period.
- The next pages contain U.S. maps indicating the death rate per 100,000 persons for all states over a three-year period (1995-1997) for the leading causes of injury death. Beneath each map is a graph showing the death rate over a 10-year period (1988-1997). These maps and graphs will allow you to compare death rates for your state to other states and understand the 10-year trend in your state compared to the U.S. trend.
- The last two maps in the Profile give death-rate data and 10-year trends for two of the most frequent and disabling types of injury-related deaths: traumatic brain injury-related deaths, which can be caused by falls, firearms, motor-vehicle crashes, or other causes; and firearm-related deaths, unintentional or the result of homicide or suicide.

This State Injury Profile 2000 is presented as an appendix to the Centers for Disease Control and Prevention (CDC) Injury Fact Book, *Working to Prevent and Control Injury in the United States*. The Fact Book contains information regarding the cost of injury and the value of prevention, the work of CDC's National Center for Injury Prevention and Control, and the Safe USA Partnership Council. The Fact Book also contains fact sheets for many of the leading causes of injury death. Additional information can also be obtained from—

- The CDC National Center for Injury Prevention and Control web site: <http://www.cdc.gov/ncipc/>
- The CDC National Center for Injury Prevention and Control, Office of Planning, Evaluation, and Legislation: 770-488-4936
- Safe USA web site: <http://www.cdc.gov/safe/>
- Safe USA toll-free number: 1-888-252-7751

# United States

## 10 Leading Causes of Deaths by Age Group: 1995-1997

Rank	Age Groups										Total
	<1	1-4	5-9	10-14	15-24	25-34	35-44	45-54	55-64	65+	
1	Congenital Anomalies 19,113	Unintentional Injuries 6,432	Unintentional Injuries 4,734	Unintentional Injuries 5,614	Unintentional Injuries 41,018	Unintentional Injuries 38,858	Malignant Neoplasms 51,258	Malignant Neoplasms 134,242	Malignant Neoplasms 261,040	Heart Disease 1,834,538	Heart Disease 2,197,898
2	Short Gestation 11,760	Congenital Anomalies 1,922	Malignant Neoplasms 1,593	Malignant Neoplasms 1,491	Homicide 19,978	HIV 23,935	Unintentional Injuries 43,023	Heart Disease 104,809	Heart Disease 201,533	Malignant Neoplasms 1,147,043	Malignant Neoplasms 1,617,565
3	SIDS 9,438	Malignant Neoplasms 1,350	Congenital Anomalies 706	Homicide 1,023	Suicide 13,328	Suicide 17,825	Heart Disease 40,047	Unintentional Injuries 29,523	Bronchitis Emphysema Asthma 30,143	Cerebro-vascular 419,616	Cerebro-vascular 477,724
4	Respiratory Distress Synd. 4,117	Homicide 1,247	Homicide 510	Suicide 931	Malignant Neoplasms 4,919	Homicide 16,665	HIV 39,570	HIV 17,951	Cerebro-vascular 29,087	Bronchitis Emphysema Asthma 274,359	Bronchitis Emphysema Asthma 317,955
5	Maternal Complications 3,802	Heart Disease 680	Heart Disease 387	Congenital Anomalies 647	Heart Disease 3,106	Malignant Neoplasms 14,327	Suicide 19,938	Cerebro-vascular 16,960	Diabetes 24,987	Pneumonia & Influenza 226,837	Unintentional Injuries 283,912
6	Placenta Cord Membranes 2,871	Pneumonia & Influenza 504	HIV 288	Heart Disease 554	HIV 1,318	Heart Disease 10,097	Homicide 11,689	Liver Disease 16,300	Unintentional Injuries 20,719	Diabetes 138,117	Pneumonia & Influenza 253,099
7	Unintentional Injuries 2,356	HIV 411	Pneumonia & Influenza 221	Bronchitis Emphysema Asthma 294	Congenital Anomalies 1,254	Cerebro-vascular 2,118	Liver Disease 10,853	Suicide 14,317	Liver Disease 15,921	Unintentional Injuries 91,315	Diabetes 183,657
8	Perinatal Infections 2,321	Septicemia 236	Bronchitis Emphysema Asthma 143	Pneumonia & Influenza 184	Bronchitis Emphysema Asthma 684	Diabetes 1,881	Cerebro-vascular 8,281	Diabetes 12,589	Pneumonia & Influenza 10,830	Alzheimer's Disease 63,461	Suicide 92,722
9	Pneumonia & Influenza 1,409	Perinatal Period 222	Benign Neoplasms 132	HIV 180	Pneumonia & Influenza 630	Pneumonia & Influenza 1,724	Diabetes 5,581	Bronchitis Emphysema Asthma 8,395	Suicide 8,675	Nephritis 62,838	HIV 90,761
10	Intrauterine Hypoxia 1,355	Benign Neoplasms 189	Anemias 98	Cerebro-vascular 135	Cerebro-vascular 527	Liver Disease 1,690	Pneumonia & Influenza 4,335	Pneumonia & Influenza 6,405	Septicemia 5,350	Septicemia 52,315	Liver Disease 75,444

### United States Total Number of Injury Deaths

<u>Cause</u>	<u>Deaths</u>	<u>Percent</u>
Unintentional Injury	283,912	64.5%
Intentional	156,434	35.5%
<b>Total (1995-1997)</b>	<b>440,346</b>	<b>100.0%</b>

Average Number of Injury Deaths per Year  
In the United States = **146,782**

# Arkansas

## 10 Leading Causes of Deaths by Age Group: 1995-1997

Rank	Age Groups										Total
	<1	1-4	5-9	10-14	15-24	25-34	35-44	45-54	55-64	65+	
1	Congenital Anomalies 199	Unintentional Injuries 93	Unintentional Injuries 77	Unintentional Injuries 97	Unintentional Injuries 637	Unintentional Injuries 535	Malignant Neoplasms 530	Malignant Neoplasms 1,476	Malignant Neoplasms 3,111	Heart Disease 20,857	Heart Disease 25,227
2	Short Gestation 80	Congenital Anomalies 19	Malignant Neoplasms 11	Suicide 18	Homicide 219	Suicide 202	Unintentional Injuries 488	Heart Disease 1,249	Heart Disease 2,462	Malignant Neoplasms 12,752	Malignant Neoplasms 18,104
3	Respiratory Distress Synd. 55	Malignant Neoplasms 14	Homicide 9	Homicide 13	Suicide 181	Homicide 189	Heart Disease 486	Unintentional Injuries 333	Cerebro-vascular 434	Cerebro-vascular 6,195	Cerebro-vascular 7,028
4	Unintentional Injuries 47	Homicide 14	Congenital Anomalies 6	Malignant Neoplasms 12	Malignant Neoplasms 57	Malignant Neoplasms 137	Suicide 227	Cerebro-vascular 237	Bronchitis Emphysema Asthma 404	Bronchitis Emphysema Asthma 2,896	Unintentional Injuries 3,820
5	SIDS 44	Bronchitis 6	Benign Neoplasms 4	Congenital Anomalies 8	Heart Disease 30	HIV 125	Homicide 166	Suicide 147	Unintentional Injuries 321	Pneumonia & Influenza 2,622	Bronchitis Emphysema Asthma 3,489
6	Perinatal Infections 31	Septicemia 6	Heart Disease 4	Heart Disease 7	HIV 13	Heart Disease 109	HIV 150	Diabetes 138	Diabetes 239	Diabetes 1,287	Pneumonia & Influenza 2,940
7	Pneumonia & Influenza 31	Heart Disease 5	Pneumonia & Influenza 3	Bronchitis Emphysema Asthma 6	Congenital Anomalies 12	Cerebro-vascular 44	Cerebro-vascular 102	Bronchitis Emphysema Asthma 124	Liver Disease 132	Unintentional Injuries 1,187	Diabetes 1,772
8	Bronchitis 30	Pneumonia & Influenza 5	Appendicitis 2	Benign Neoplasms 2	Pneumonia & Influenza 9	Diabetes 21	Diabetes 79	Liver Disease 110	Pneumonia & Influenza 130	Nephritis 978	Nephritis 1,123
9	Maternal Complications 27	Anemias 3	10 Tied	6 Tied	3 Tied	Pneumonia & Influenza 19	Liver Disease 76	Homicide 99	Suicide 89	Septicemia 909	Septicemia 1,107
10	Placenta Cord Membranes 25	3 Tied	10 Tied	6 Tied	3 Tied	Liver Disease 18	Pneumonia & Influenza 43	Pneumonia & Influenza 77	Septicemia 88	Alzheimer's Disease 612	Suicide 1,039

### Arkansas Total Number of Injury Deaths

<u>Cause</u>	<u>Deaths</u>	<u>Percent</u>
Unintentional Injury	3,820	67.2%
Intentional Injury	1,863	32.8%
<b>Total (1995-1997)</b>	<b>5,683</b>	<b>100.0%</b>

Average Number of Injury Deaths per Year  
In Arkansas = **1,894**

# 1995-1997 Leading Causes of Death

## Unintentional Injury

### United States Unintentional Injury

<u>Cause</u>	<u>Deaths</u>	<u>Percent</u>
MV Traffic	127,193	44.8%
Fall	33,633	11.8%
Poisoning	28,745	10.1%
Suffocation	12,987	4.6%
Drowning	12,360	4.4%
Fire/Burn	11,304	4.0%
Other Causes	57,690	20.3%
	<b>283,912</b>	<b>100.0%</b>

### Arkansas Only Unintentional Injury

<u>Cause</u>	<u>Deaths</u>	<u>Percent</u>
MV Traffic	1,960	51.3%
Fall	356	9.3%
Fire/Burn	212	5.6%
Suffocation	208	5.4%
Drowning	172	4.5%
Other Causes	912	23.9%
	<b>3,820</b>	<b>100.0%</b>

## Intentional Injury

### United States Suicide

<u>Cause</u>	<u>Deaths</u>	<u>Percent</u>
Firearm	54,235	58.5%
Suffocation	15,960	17.2%
Poisoning	15,355	16.6%
Other Causes	7,172	7.7%
	<b>92,722</b>	<b>100.0%</b>

### Arkansas Only Suicide

<u>Cause</u>	<u>Deaths</u>	<u>Percent</u>
Firearm	743	71.5%
Suffocation	136	13.1%
Poisoning	106	10.2%
Other Causes	54	5.2%
	<b>1,039</b>	<b>100.0%</b>

### United States Homicide and Legal Intervention

<u>Cause</u>	<u>Deaths</u>	<u>Percent</u>
Firearm	43,684	68.6%
Cut/Pierce	7,647	12.0%
Suffocation	2,327	3.7%
Other Causes	10,054	15.8%
	<b>63,712</b>	<b>100.0%</b>

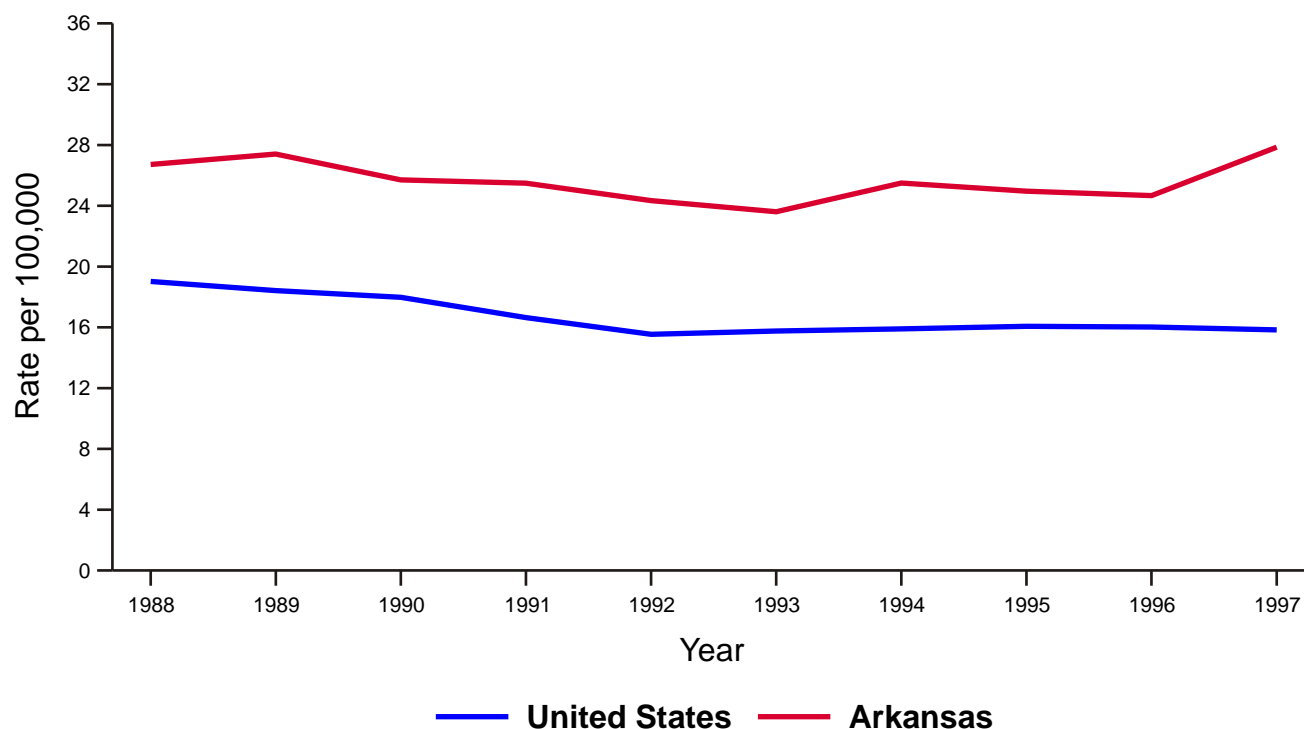
### Arkansas Only Homicide and Legal Intervention

<u>Cause</u>	<u>Deaths</u>	<u>Percent</u>
Firearm	580	70.4%
Cut/Pierce	85	10.3%
Suffocation	25	3.0%
Other Causes	134	16.3%
	<b>824</b>	<b>100.0%</b>

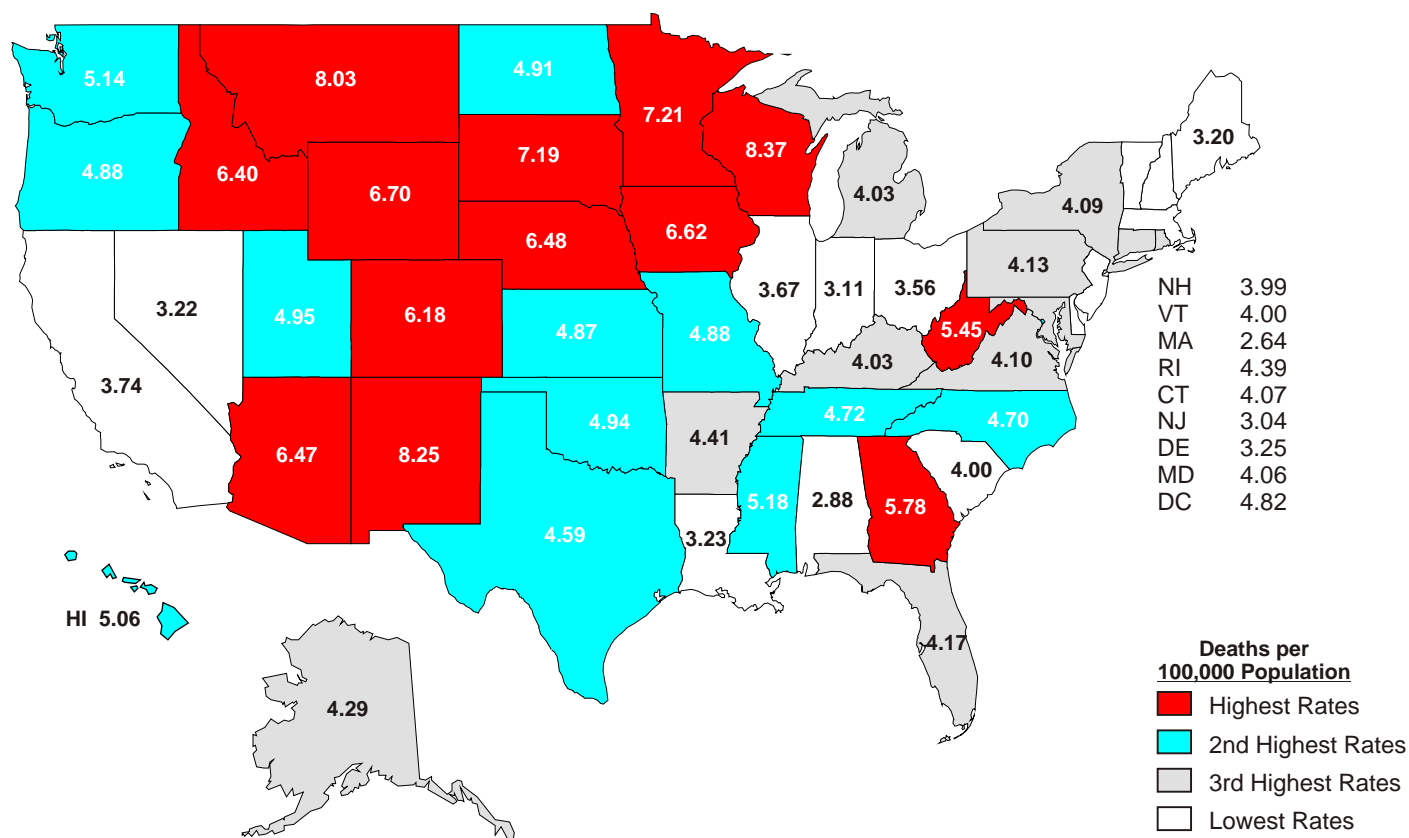
# Unintentional Motor Vehicle, Traffic-Related Death Rates United States, 1995-1997



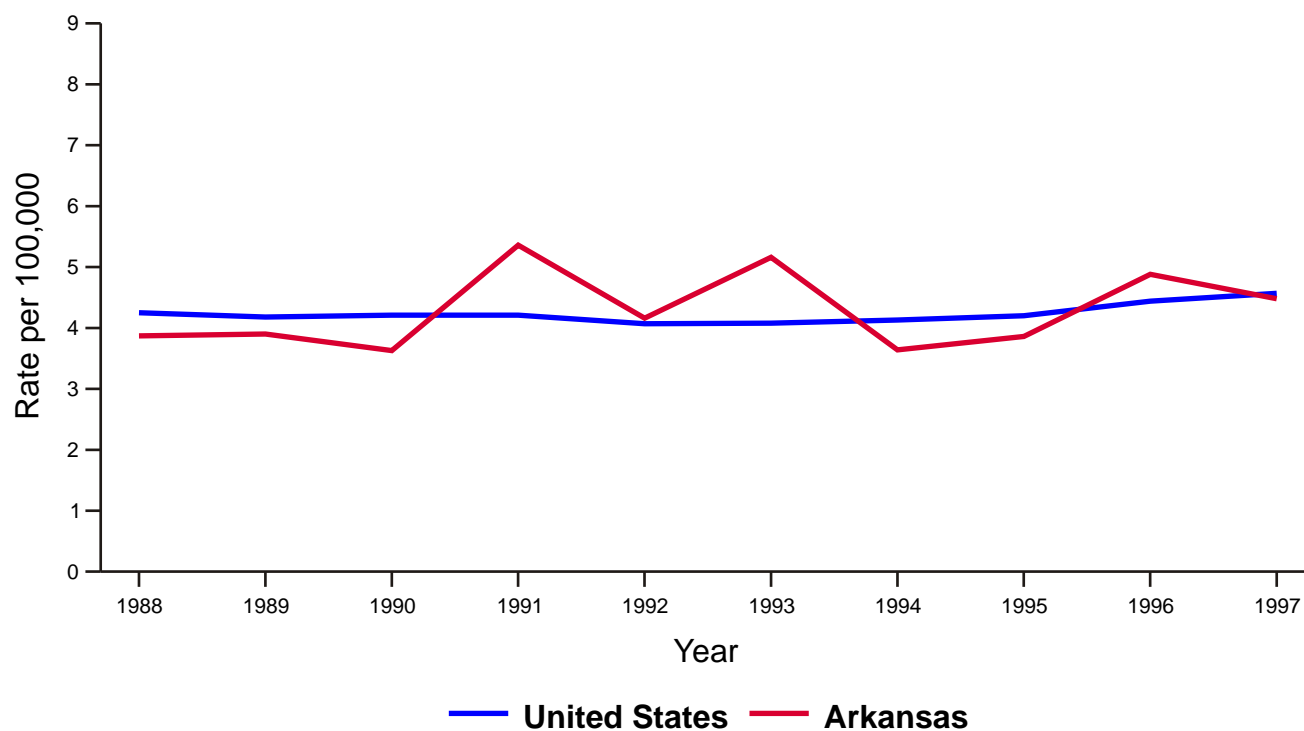
## United States and Arkansas 1988-1997



## Unintentional Fall Death Rates United States, 1995-1997



## United States and Arkansas 1988-1997



**Deaths per 100,000 Population**

- Highest
- 2nd Highest
- 3rd Highest
- Lowest

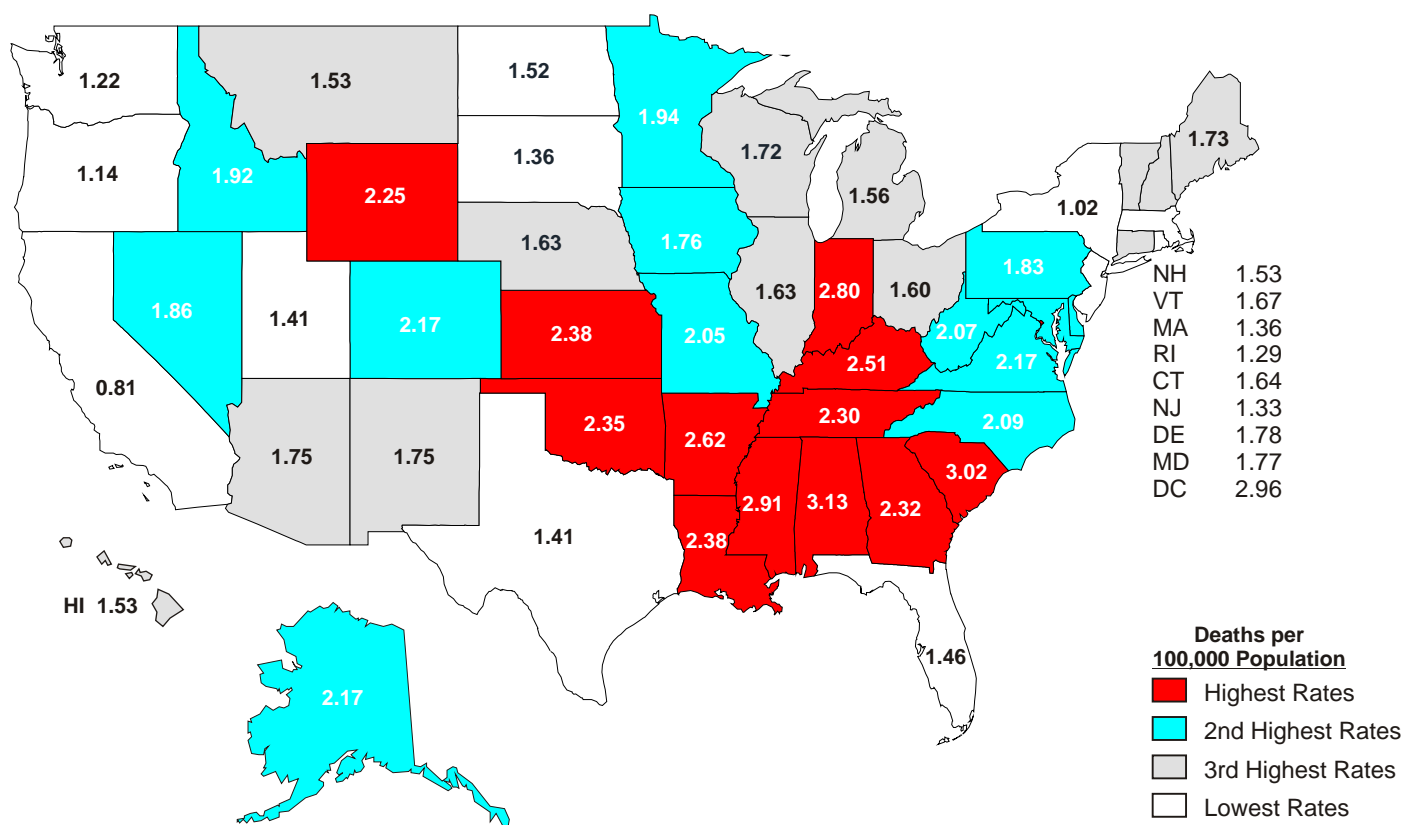
State	Deaths per 100,000 Population
WA	5.22
OR	5.21
CA	5.79
NV	4.49
HI	3.63
AK	6.47
MT	1.62
WY	1.30
SD	1.49
NE	1.27
KS	1.57
OK	3.10
TX	3.35
LA	2.42
MS	1.66
AL	2.19
GA	2.57
FL	3.26
SC	2.95
NC	2.70
VA	2.94
MD	0.81
DE	5.07
NJ	5.87
CT	5.69
RI	0.86
MA	0.55
VT	1.60
NH	1.59
ME	1.66
NY	6.14
PA	5.14
IL	3.81
IN	1.47
OH	2.45
MI	1.81
WI	1.83
MO	1.55
IA	1.49
ND	1.30
WY	1.49
MT	1.62
SD	1.49
NE	1.27
KS	1.57
OK	3.10
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MA	

The graph displays the rate of deaths from AIDS per 100,000 population for the United States and Arkansas from 1988 to 1997. The Y-axis represents the rate per 100,000, ranging from 0 to 9. The X-axis represents the year. The United States rate (blue line) starts at approximately 2.5 in 1988, dips to 2.3 in 1990, and rises to 3.8 in 1997. The Arkansas rate (red line) starts at approximately 1.9 in 1988, dips to 1.0 in 1990, and rises to 1.4 in 1997.

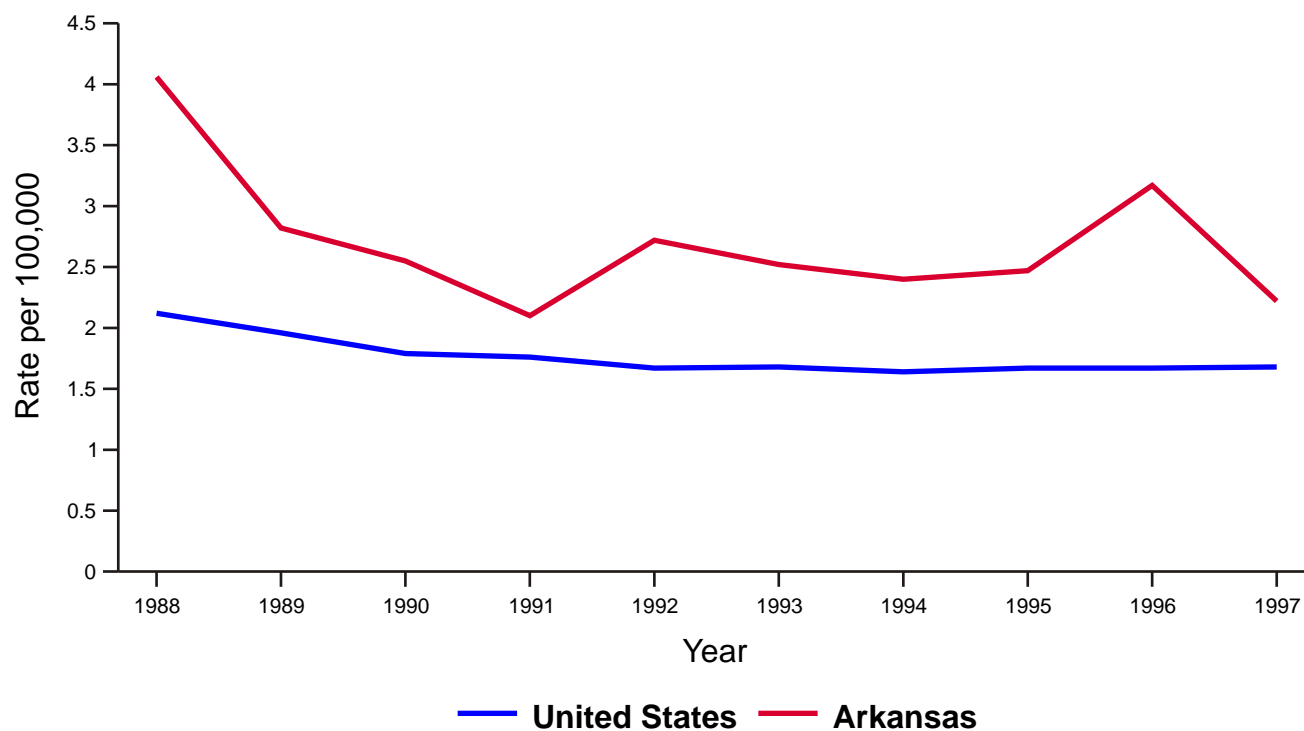
Year	United States	Arkansas
1988	2.5	1.9
1989	2.6	1.9
1990	2.3	1.0
1991	2.5	1.7
1992	2.7	1.5
1993	3.3	1.0
1994	3.4	1.1
1995	3.4	1.4
1996	3.6	1.4
1997	3.8	1.3



## Unintentional Suffocation Death Rates United States, 1995-1997



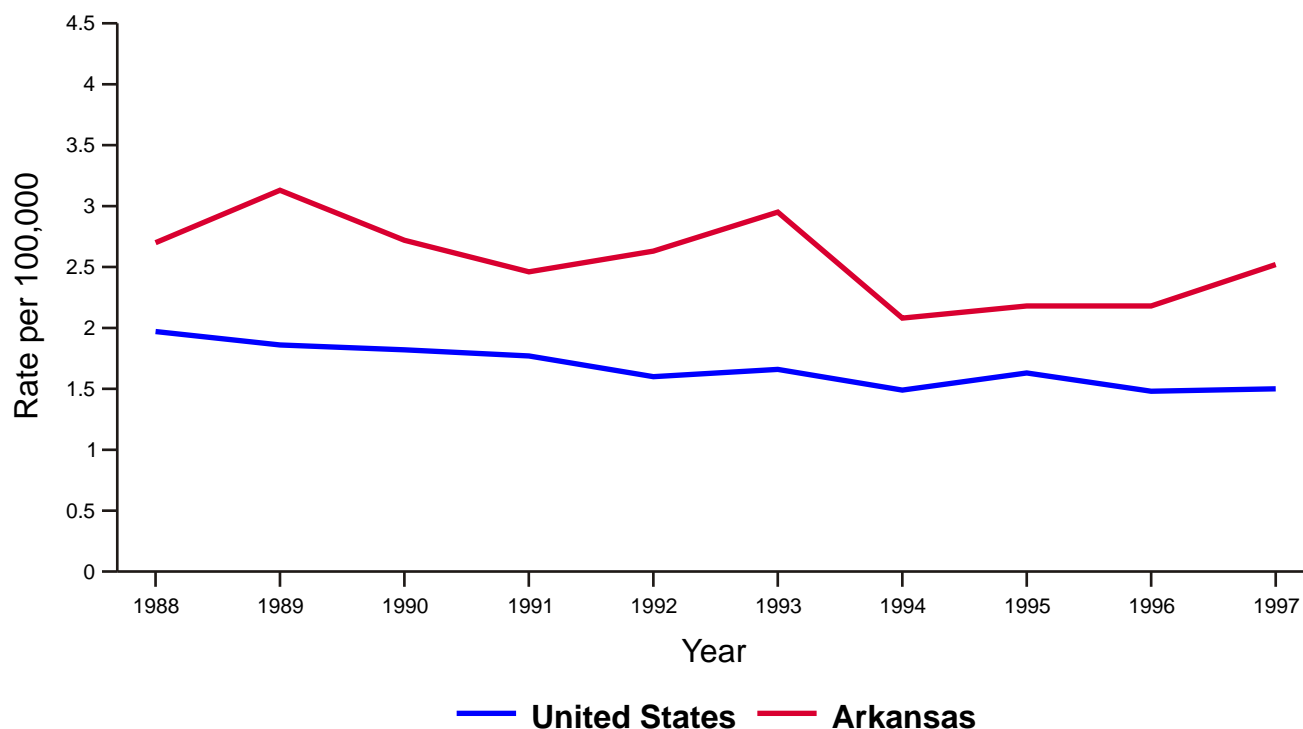
## United States and Arkansas 1988-1997



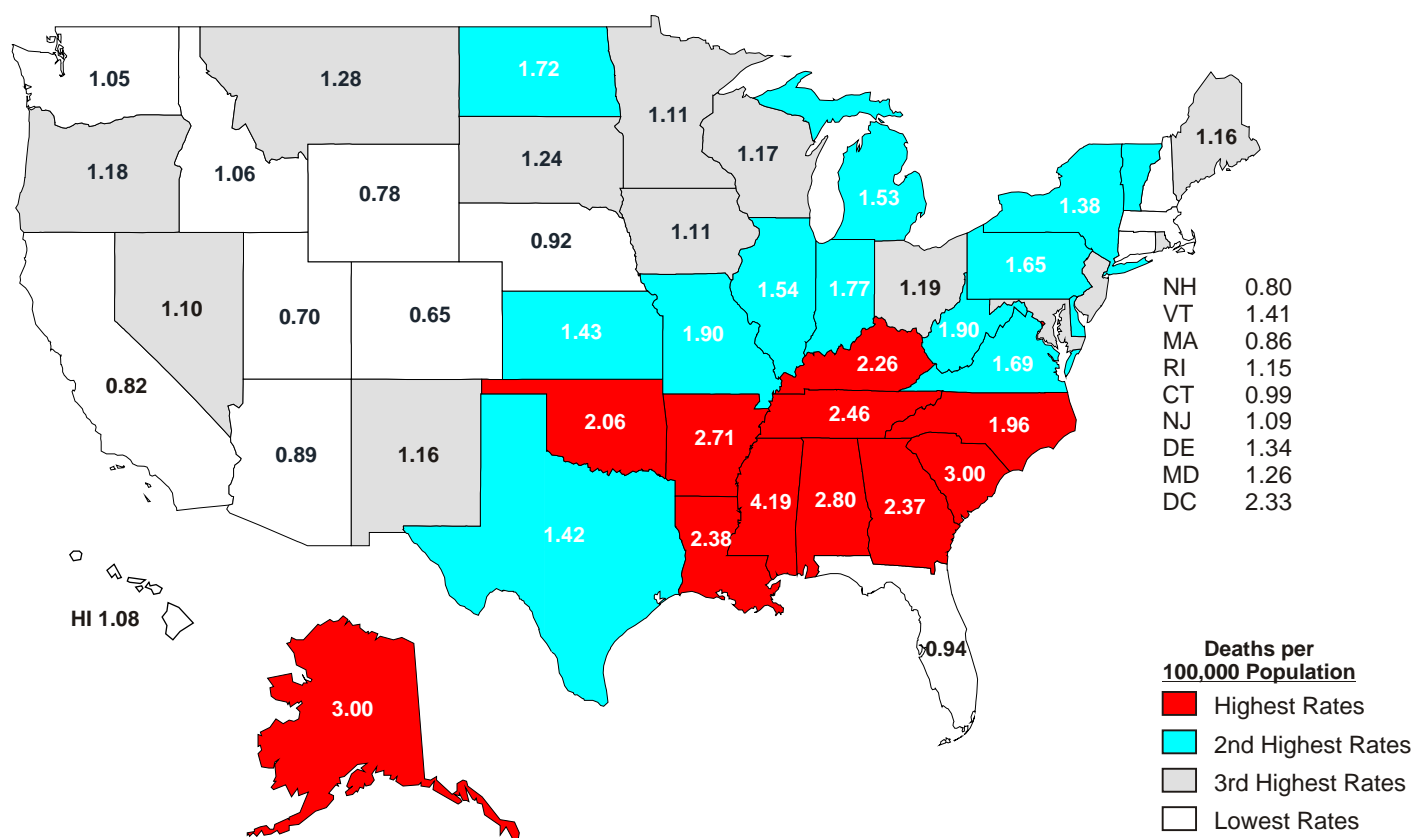
## Unintentional Drowning Death Rates United States, 1995-1997



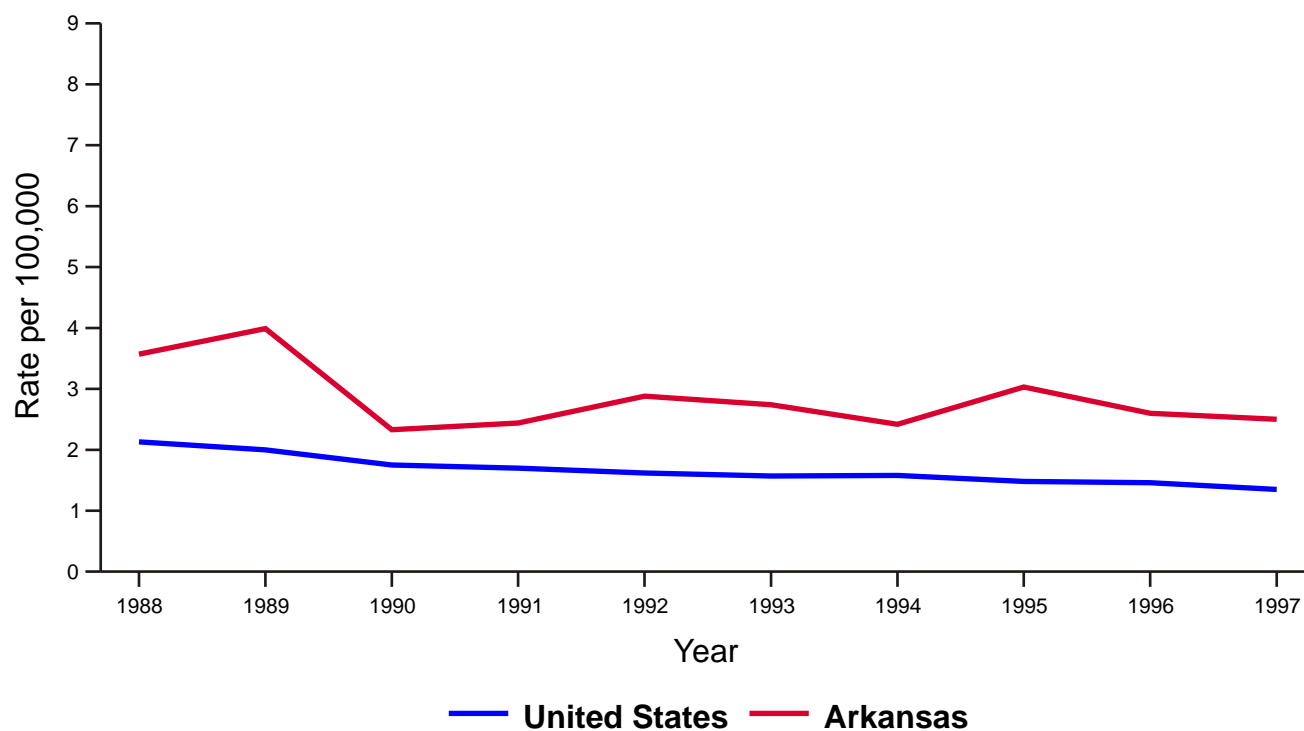
## United States and Arkansas 1988-1997



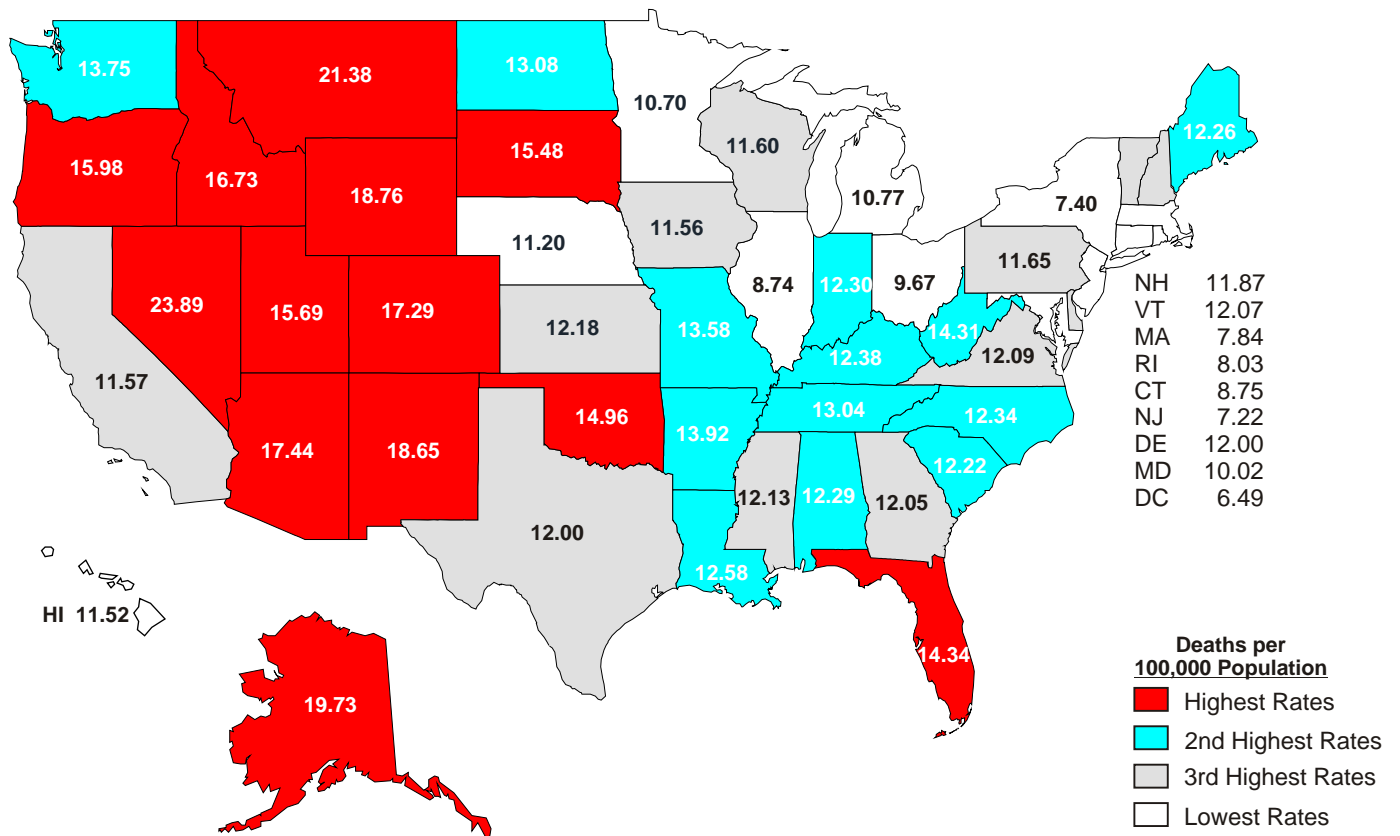
## Unintentional Fire and Burn-Related Death Rates United States, 1995-1997



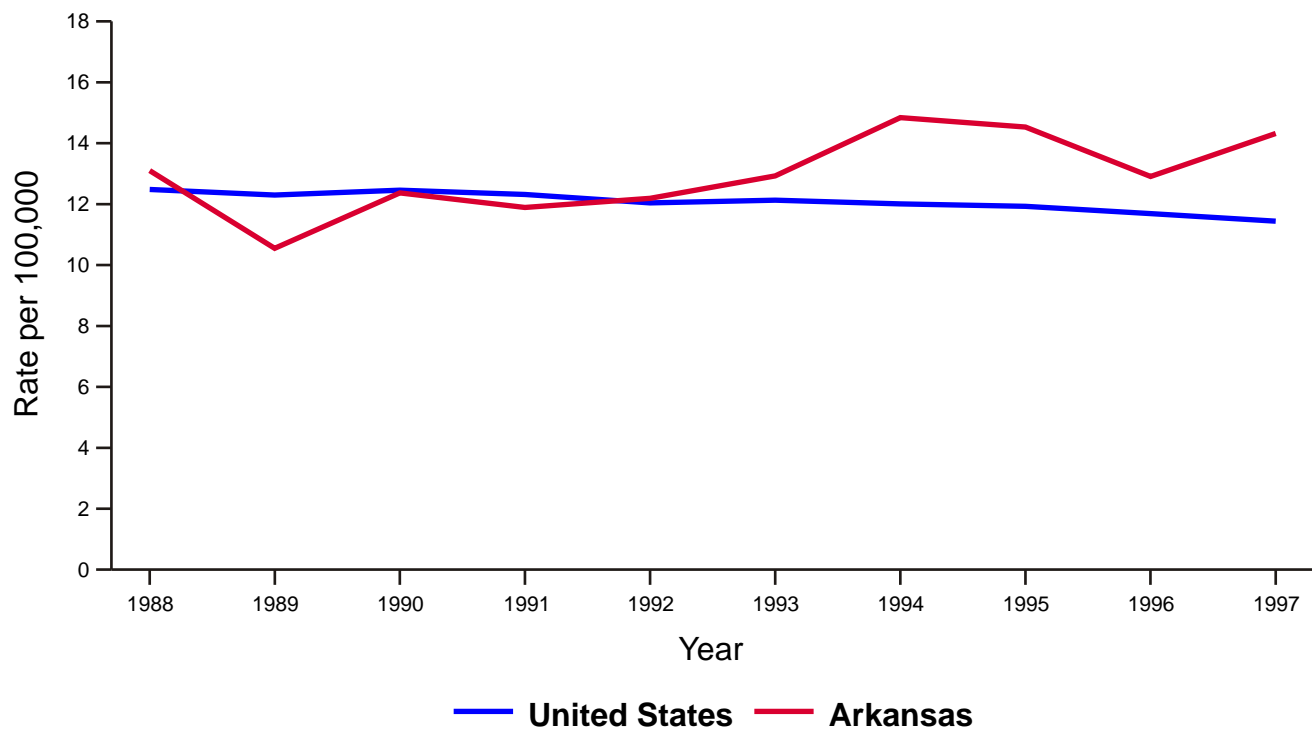
## United States and Arkansas 1988-1997



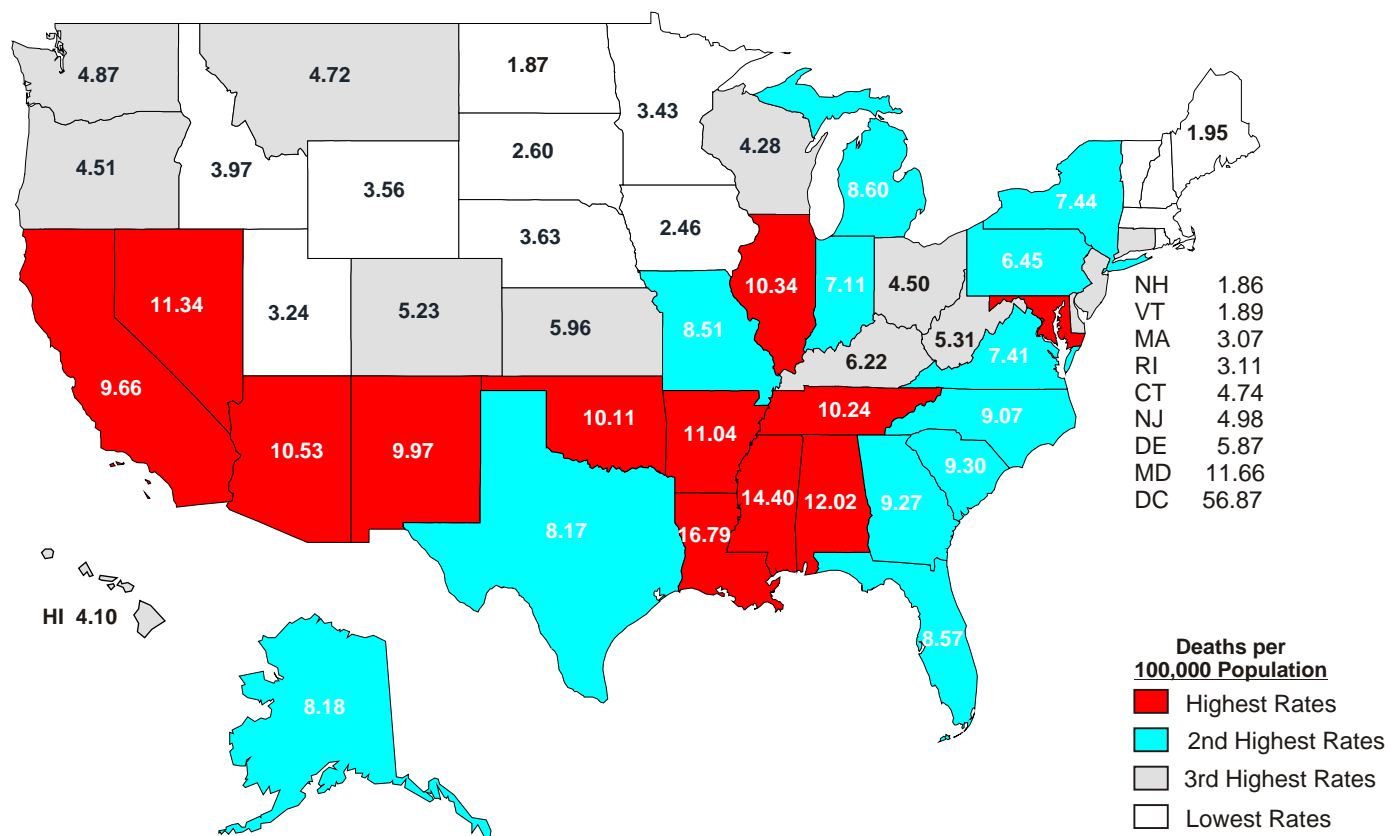
## Suicide Death Rates United States, 1995-1997



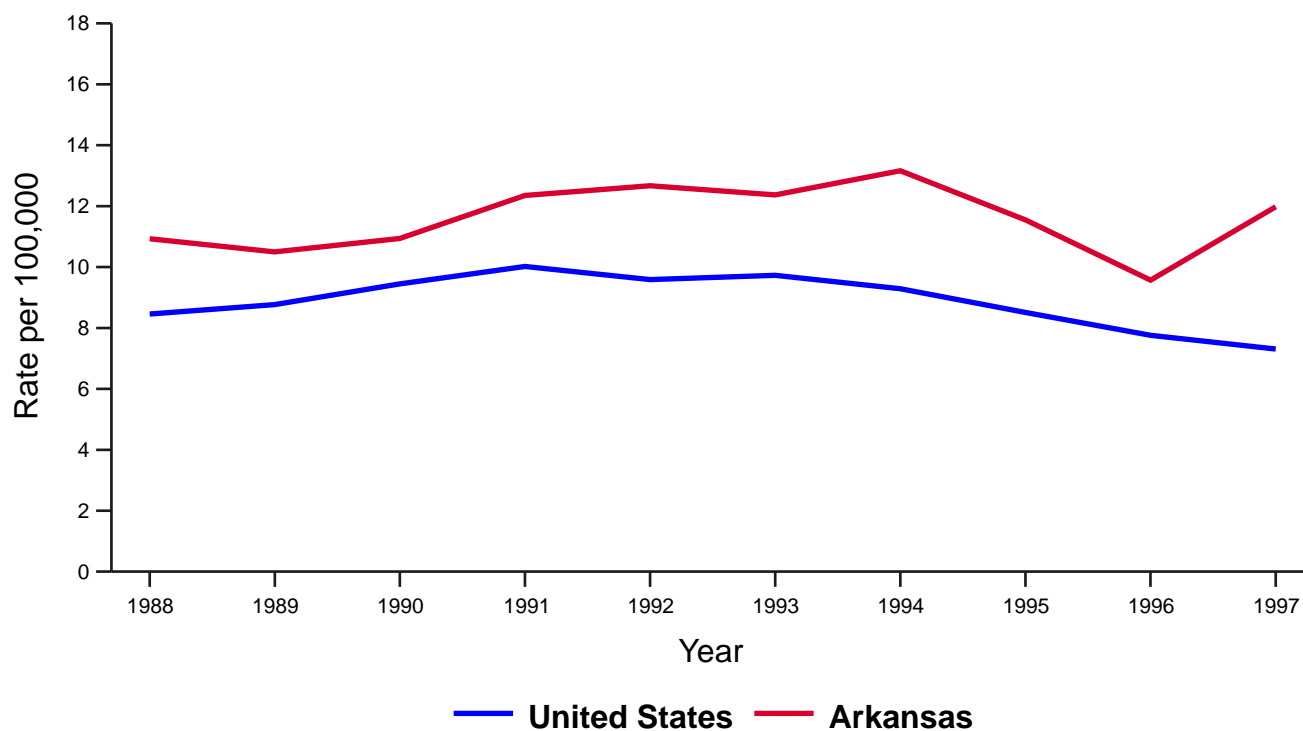
## United States and Arkansas 1988-1997



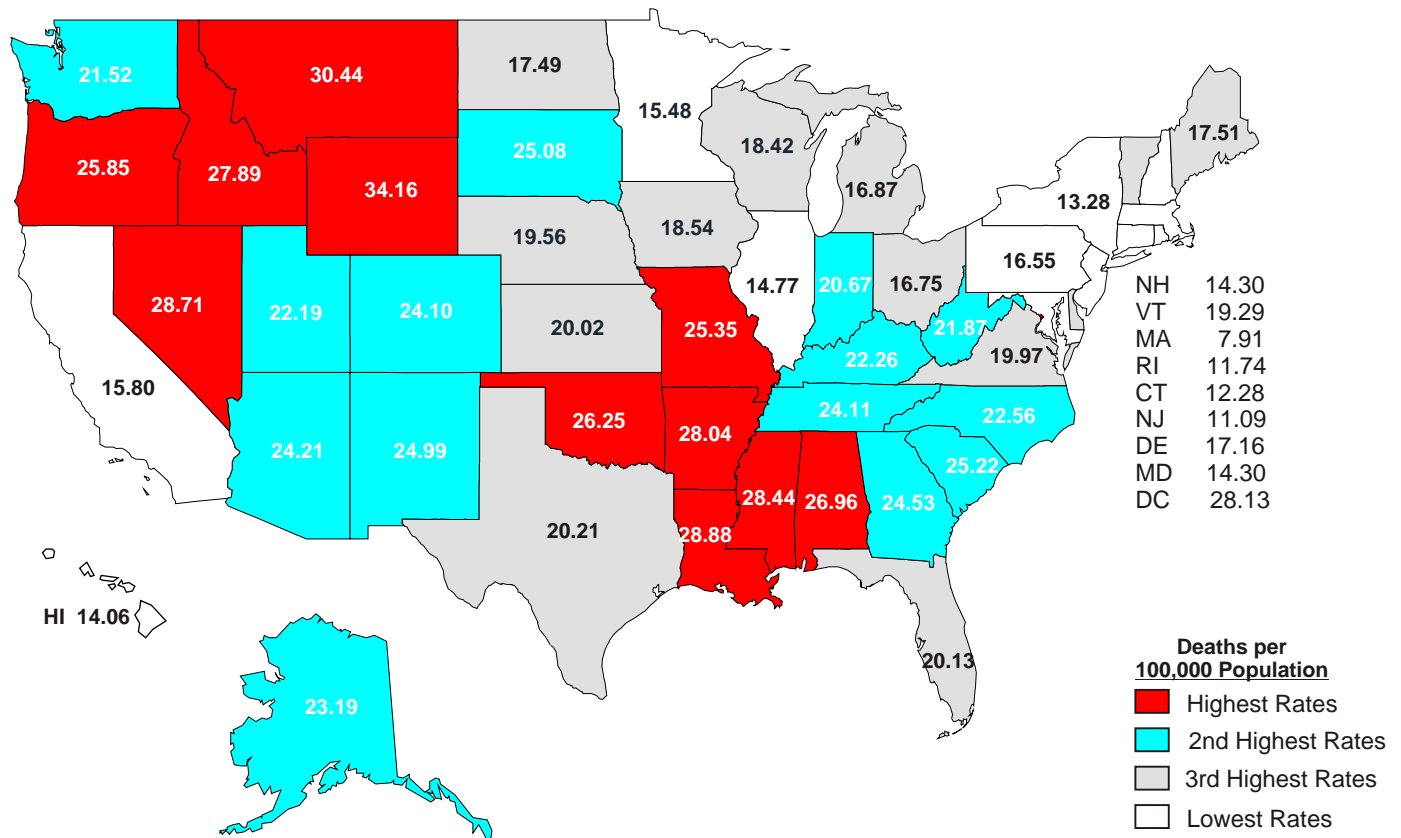
## Homicide Death Rates United States, 1995-1997



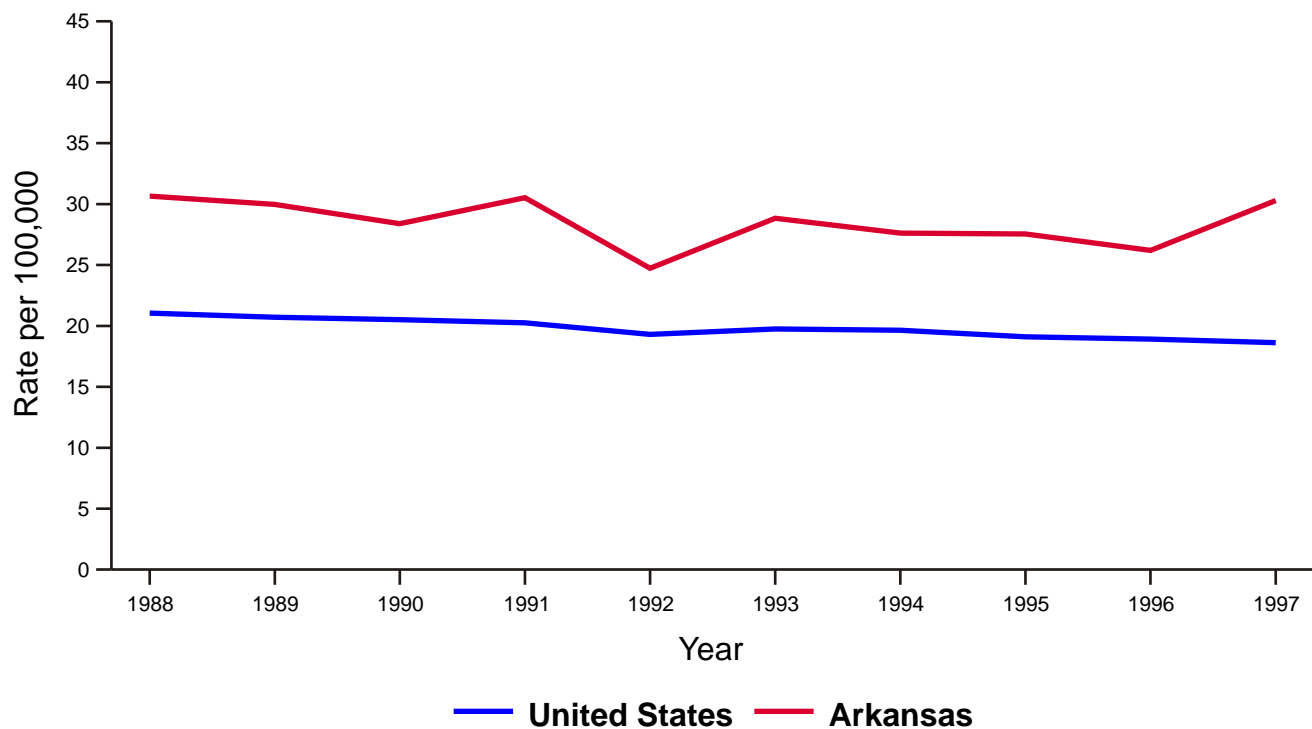
## United States and Arkansas 1988-1997



## Traumatic Brain Injury-Related Death Rates\* United States, 1995-1997

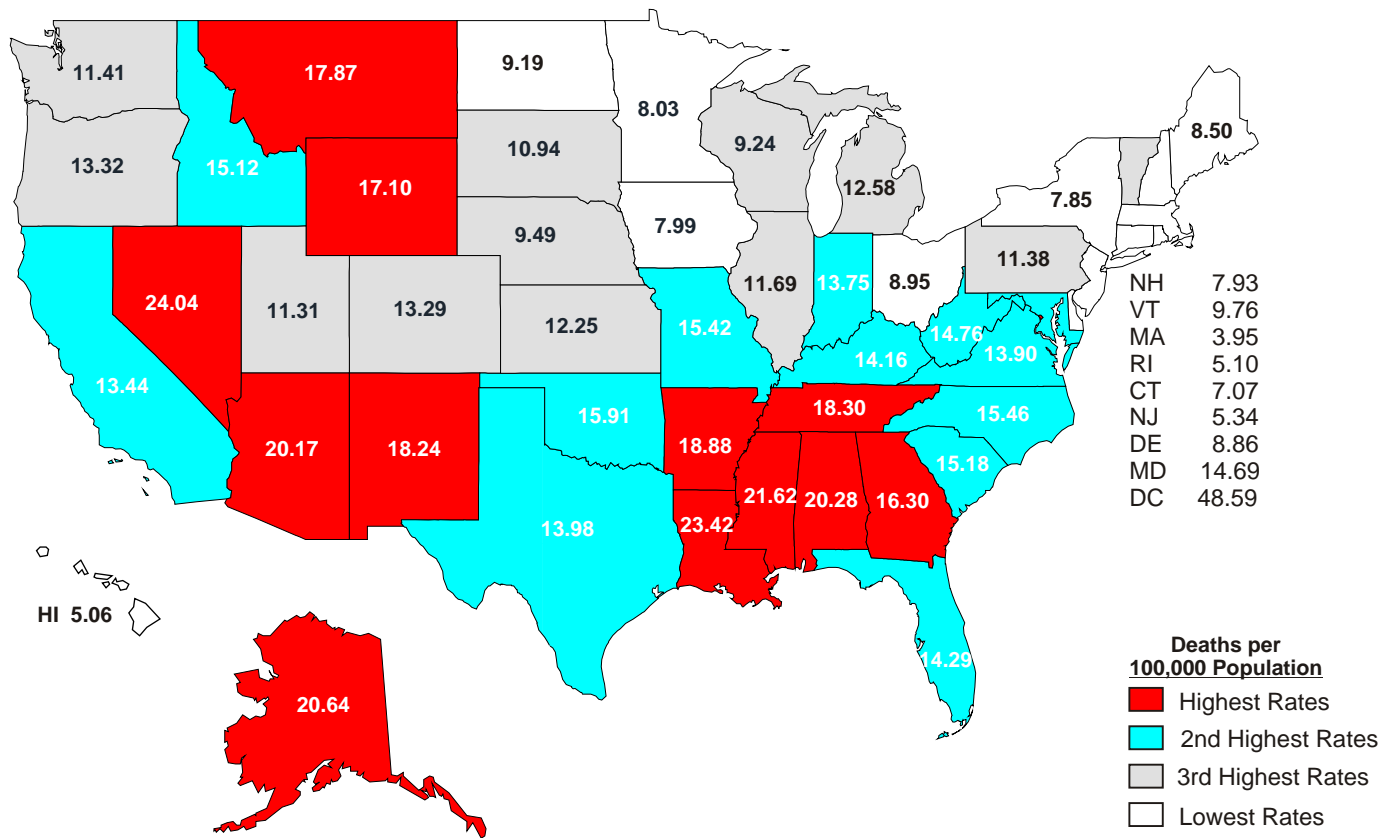


## United States and Arkansas 1988-1997

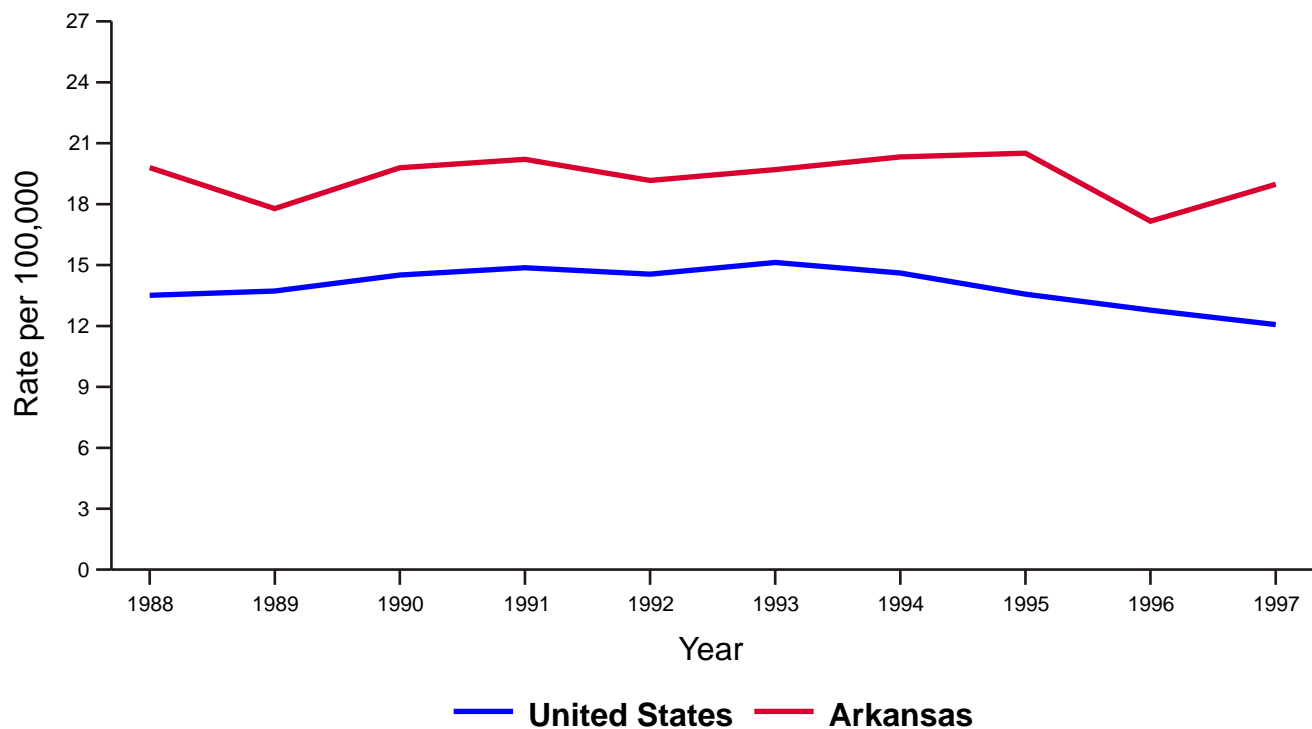


\* Includes unintentional and intentional deaths from motor vehicles, firearms, falls, and other causes (of determined and undetermined intent).

## Firearm-Related Death Rates\* United States, 1995-1997



## United States and Arkansas 1988-1997



\* Includes deaths from firearm suicide, firearm homicide, unintentional firearm-related deaths, and firearm-related deaths of undetermined intent.

## ARKANSAS INJURY CONTROL PROJECTS

### Cooperative Agreements

The National Center for Injury Prevention and Control currently funds the following work through four cooperative agreements in Arkansas:

- State Injury Intervention and Surveillance Program (Fire): a program to reduce fire-related burn morbidity and mortality in the state by increasing the prevalence of functional residential smoke alarms in targeted communities. Only households with no smoke detectors are eligible for the program. All homes will receive fire safety educational materials; those homes not receiving installation will be given installation information. (*Arkansas Department of Health*)
- State-Based Core Injury Program Development: a cooperative effort to develop or strengthen the capacity of State public health agencies to prevent and control injuries. A core injury prevention and control program possesses in some combination the following features and tools: (1) a coordinator of injury prevention activities; (2) an up-to-date profile of injuries within the State from existing data sources; (3) an advisory structure to utilize collaborative relationships with public and private sector groups; (4) relationships with organizations, agencies and individuals with interest or expertise in injury prevention or control; and (5) a current priority-driven State plan for injury prevention and control. NCIPC works directly with grantees to assist with their priority activities. (*Arkansas Department of Health*)
- Traumatic Brain Injury Surveillance Program: a program to conduct population-based traumatic brain injury (TBI) surveillance to characterize the risk factors, incidence, external causes, severity, and short-term outcomes of TBI. This information will be used to help design prevention programs that address specific causes of TBI and populations at higher risk. (*Arkansas Department of Health*)
- Pressure Ulcer Prevention Project: a project to develop a home-based program for pressure ulcer prevention among individuals with spinal cord injuries that addresses the medical, social and environmental factors associated with the development of pressure ulcers. (*Arkansas Spinal Cord Commission*)

### Research Grants

At present, there are no extramural research projects in Arkansas funded by the NCIPC.